

NEW TOWN KOLKATA DEVELOPMENT AUTHORITY

(A Statutory Authority Under Government of West Bengal)
3, Major Arterial Road, New Town, Kolkata - 700 156

MEMO NO: 1628 /EE-IV/67/NKDA/2020-21 DATE:04/05/2020

NOTICE INVITING e-TENDER

Notice Inviting e-Tender No. WBNKDA/02/EE-IV/NKDA/2020-21

Executive Engineer -IV, New Town Kolkata Development Authority invites percentage rate tender from resourceful, reliable, bona-fide and experienced working contractors of KMDA, WBHIDCO, PWD, PHED, Railways and other Govt. and semi Govt. organizations having experience in similar nature of work, and are requested to submit their offer for the work detailed below.

(Submission of Bid through online)

List of Schemes :-

Name of work	Estimated Amount (Rs.)	Earnest Money (Rs.)	Period of completion
Landscape development and construction of micro gardens at new town kolkata	Rs. 1,99,28,861 /- (Rupees one crore ninety lakh twenty eight thousand eight hundred sixty one only)	Rs.4,00,000/- (Rupees four lakh only)	10 months (ten)

Fund for this project has been allocated from the Smart City Mission by the New Town Kolkata green Smart City Corporation Limited

1. In the event of e-filling, intending bidder should download the tender documents from the website <http://wbtenders.gov.in> indirectly with the help of Digital Signature Certificate. All the bidder shall have to submit earnest money & necessary earnest money will be deposited by the bidder through the following payment mode as finance dept. order no-3975-F (Y) dated 28th July 2016 (Annexure-A)
 - i) Net Banking (any of the banks listed in the ICICI Bank payment gateway) in case of payment through ICICI payment gateway).
 - ii) RTGS/NEFT through bank account in any bank. The EMD shall be deposited in favour of "New Town Kolkata Development Authority" payable at Kolkata.
2. Both Technical bid and Financial bid are to be submitted concurrently duly digitally signed in the website <https://wbtenders.gov.in>. The acceptance of lowest bid is not obligatory.

3. Tender documents may be downloaded from website and submission of Technical Bid and Financial Bid will be done as per Time Schedule stated in Sl. No. 15 of this NleT.
4. The **FINANCIAL OFFER** of the prospective qualified tenderer(s) will be considered only if the **TECHNICAL BID** of the tenderer(s) is found qualified by competent authority of New Town Kolkata Development Authority. The decision of the competent authority of New Town Kolkata Development Authority will be final and absolute in this respect. The list of Qualified Bidders will be displayed in the website.
5. In term of Finance Department, Audit Branch, Govt. of West Bengal's Notification no.4374-F(Y) dated 13th July, 2017, the bidder has to uploaded valid 15-digit Goods and service Taxpayer Identification Number (GSTN) under GST Act, 2017, along with his bid. The bidder should note that bid submitted without GSTIN will be summarily rejected
6. In term of finance dept. Govt .of West Bengal **G.O. no-4608-F (Y)** dated 18th July 2018 when bid rate is 80% or less of Estimated Amount put to tender, the Bidder shall submit Additional Performance Security @ 10 % of the Tendered Amount from any Schedule Bank, before issuance of work order.

The Additional performance security shall be submitted in the form of Bank Guarantee from any scheduled Bank before issuance of the work order. If the bidder fails to submit the additional performance security within seven working days from the date of issuance of Letter of Acceptance, his earnest money will be forfeited and other necessary action as per NIT like blacklisting of the contractor, etc. may be taken. The bank Guarantee shall have to be valid up to end of the contract period and shall be renewed accordingly, if required.

7. Eligibility criteria for participation in the tender.

Working Contractors of KMDA, WBHIDCO, PWD, PHED, Railways and other Govt. & semi Govt. organization having satisfactorily completed (as prime contractor)

- a) Similar nature of work of the minimum value of Rs. 80,00,000/- (Rupees eighty Lakh only) during 5(five) years prior to the date of issue of the tender notice.

OR

- b) Intending tenderer may also produce credential of 02 (two) similar nature of completed work, each of minimum value of Rs. 60,00,000/- (Rupees sixty lakh only) during 05(five) years prior to the date of issue of the tender notice.

OR

- c) Intending tenderer may also produce credential of one single running work of similar nature which has been completed to the extent of 80% or more and value of which is not less than the estimated value. In case of running works, only those tenderers who will submit the certificate of satisfactory running work from the concerned Executive Engineer, or equivalent competent authority will be eligible for the tender. In the required certificate it should be clearly stated that the work is in progress satisfactorily and also that no penal action has been initiated against the executed

agency, i.e, the tenderer.

- i) Payment certificate will not be treated as credential.
 - ii) Credential certificate issued by the Executive Engineer or equivalent or competent authority of a state/central Government, state/ central Government undertaking statutory/ Autonomous bodies constituted under the central/ state statute, on the executed value of completed/ running work will be taken as credential.
 - d) Intending Tenderer must be financially sound with a minimum average turnover of Rs.4 crore, (Rupees four Crore Only) during the last three financial years and having a trade license, G.S.T Registration certificate and Profession Tax certificate.
 - e) Pan Card, Income Tax Return Acknowledgement Receipt for the last 03 (Three) Assessment years, P.T. Deposit Challan for the year 2018-2019.
 - ii) Registered Partnership Deed for Partnership Firms only along with Power of Attorney since executed under any Judicial Magistrate/First Class Magistrate is to be submitted. The company shall furnish the Article of Association and Memorandum as on-statutory documents.
 - iii) Joint Ventures/MOU will not be allowed.
 - iv) Sub-contracting will be allowed in the execution stage subject to acceptance of the financial and technical profile of the sub Vendor by the Executive Engineer -IV of New Town Kolkata Development Authority.
 - v) Three consecutive years' Audit report to be submitted along with Tender documents.
8. Similar work means
- i) Landscaping including construction of canal bank protection structure.
OR
 - ii) Construction of parks with landscaping and bank protection work on the bank of a water body.
OR
 - iii) Bank protection and landscaping on canal bank or bank of a water body.
9. On-going payments for work may be allowed to the executing agency as per existing rules. Subject to deduction of security deposit, progressive payment may be made against the completed or partly completed item of works. Such interim payments, shall be made as running account bill (s), however, shall not constructed to mean that the respective items / components have finally been approved and accepted by NKDA and the contractor shall not be absolved of his responsibility to set right any deficiency of such paid items / components at his/ their own cost, for rectifying all defects which are subsequently being noted or found.
10. No claim for interest or compensation will be entertained in respect to any money or balance of payment which may be due or alleged to be due to the contractor owing to any dispute between the contractor and

NKDA or in respect to any delay in making payment of progressive or final bill of the work, to the contractor.

Payment for the works done by the contractor will be based on recorded and accepted measurement at various stages of work. Acceptance of measurements put for payment to be invariably made by putting signature (with seal) of the contractor (or his/ their authorized representative). The contractor or his / their authorized representatives are advised to take measurements jointly with the officials of NKDA. In case of failure on his/their part either to take measurement jointly and /or acceptance of the recorded measurement, within a reasonable time, measurement taken by the department shall be considered as final for making payment. Similar acceptance is also essential for level records and survey data, field books etc.

11. **No advance and secured advance will be allowed.** However Part payments may be allowed on delivery of materials, as decided by EIC.
12. **Idle labour, idle rent and hire charges etc.:**
No claim of any category and type, on this ground shall be entertained. The contractor and NKDA shall make every effort that such situation does not arise.
13. **Testing and Testing Equipments:** Testing of materials, to be used in work and the quality of finished work on quality control aspect, is to be undertaken by the contractor at their own cost, with facilities provided at site and / or through approved (by NKDA) Test Houses / Laboratories. All materials and workmanship shall be in accordance with the specifications laid down in the contract and also as per P.W.D.(Buildings& Road Scheduled) and IS Codes . The Engineer-in-Charge reserves the right to test, examine and measure the material / workmanship direct at the place of manufacture, fabrication or at the site of works or any suitable place. The contractor shall provide such assistance, instrument machine, labour and materials as the Engineer-in- Charge may require for examining, measuring and testing the works and quality, weight or quantity of materials used and shall supply samples for testing as may be selected and required by the Engineer-in-Charge without any extra cost. Beside this, he/they will carry out tests from outside Laboratory as per instruction of Engineer-in-Charge. The cost of all such tests would be borne by the agency.

Should the Chief Engineer or his representative consider it necessary to satisfy himself/themselves as to quality of work, the contractor shall offer sample of work done as necessary, pull down reasonable part of the work required for inspection and testing. The contractor shall bear the cost of pulling down and shall make good the same at their own cost and to the full satisfaction of E-I-C without any claim for payment.

14. Security Deposit:

Retention money towards performance Security amounting to 8% (eight percent) of the value of the work shall be deducted from the running account bill of the tenderer as per prevailing order. No interest will be paid on the money retained for Security Deposit.

15. Date and Time Schedule:

Sl. No.	Particulars	Date & Time
1	Date of uploading of N.I.e.T. & other Documents (online) (Publishing Date)	05/05/2020
2	Date and venue of pre bid meeting	22/05/2020 at 3.00 P.M. Conference Hall of NKDA at 01, MAR, New Town, Kolkata - 700156
3	Documents download start date (Online)	05/05/2020 from 3.00P.M.
4	Documents download end date (Online)	05/06/2020 upto 10:00A.M.
5	Bid submission start date (On line)	05/05/2020 from 3.00P.M.
6	Bid Submission closing (On line)	05/06/2020 upto 10:00A.M.
7	Bid opening date for Technical Proposals (Online)	08/06/2020 at 10:00A.M.
8	Last date of uploading list for Technically qualified Bidder(online)	Will be intimated in due course
9	Date of opening of Financial Proposal(online)	Will be intimated in due course
10	Last date of intimation to the successful bidder	Will be intimated in due course

16. Earnest Money for the successful tenderer will be retained and converted as Initial Security deposit. The Balance security deposit @ 8% will be deducted from on-going bills to cover 10% of the total value of work done.

a) The security deposit of the successful tenderer will be refunded after defect liability period as stipulated in relevant clause of the agreement to be made in WBF2911(ii).

17. The tenderers are bound by the terms & conditions of WBF 2911(ii) along with specification, notice for calling Tenders, Special terms & condition, Information to Bidders, Schedule of works etc, which forms a part and parcel of this contract.

18. Income Tax & G.S.T will be deducted as per Govt. orders issued from time to time and would be applicable on the date of making payment of the bills. Building & other construction workers cess @ 1.0% will be deducted from progressive bills in pursuance with G.O. no. 599A/ 4M – 28 / 06dated 27/09/2006.

19. The Bidder, at his own responsibility and risk is encouraged to visit and examine the site of works and its surroundings and obtain all information that may be necessary for preparing the Bid and entering into a contract for the work as mentioned in the Notice Inviting Tender, before submitting offer with full satisfaction. The cost of visiting the site, shall be at his own expenses.

20. The intending Bidders shall clearly understand that whatever may be the outcome of the present invitation of Bids, no cost of Bidding shall be reimbursable by the Department. New Town Kolkata Development Authority reserves the right to accept or reject any offer without assigning any reason whatsoever and is not liable for any

- reimbursement of any cost that might have been incurred by any Tenderer at any stage of Bidding.
21. Prospective applicants are advised to note carefully the minimum qualification criteria before tendering the bids.
 22. **Conditional / Incomplete tender will not be accepted under any circumstances.**
 23. **The intending tenderers are required to quote the rate *online*. The rate should be inclusive of all components and taxes.**
 24. Contractor shall have to comply with the provisions of (a) the contract labour (Regulation Abolition) Act. 1970 (b) Apprentice Act. 1961 and (c) minimum wages Act. 1948 and the notification (s) thereof or any other laws relating thereto and the rules made and order issued there under from time to time.
 25. During scrutiny, if it comes to the notice of the tender inviting authority that the credential or any other paper found incorrect / manufactured / fabricated, that bidder would not be allowed to participate in the tender and that application will be rejected without any prejudice.
 26. If there be any objection regarding prequalification of any Agency the same should be lodged on line to Executive Engineer -IV, New Town Kolkata Development Authority within 2 (*two*) days from the date of publication of list of qualified agencies and beyond the said time schedule no objection will be entertained
 27. Before issuance of WORK ORDER, the Tender Inviting Authority may verify the credential and other documents of the lowest tenderer if found necessary. After verification if it is found that the documents submitted by the lowest tenderer is either manufactured or false in that case work order will not be issued in favour of the said Tenderer under any circumstances and his/their offer will be treated as cancelled.
 28. If any discrepancy arises between two similar clauses on different notification, the clause superseding others will be solely as per the discretion of the Tender inviting authority
 29. The successful Tendered whose tender is accepted shall make formal agreement in WBF 2911 (ii) along with bid documents in triplicate, within 7 (seven) days from the date of issue of work order by Executive Engineer -IVI, New Town Kolkata Development Authority on payment of usual charges which is non-refundable under any circumstances and submit the same duly signed by him/them to this office. If the contractor fails to perform the formalities within the specified period the Tender is liable to be cancelled and the Earnest Money will be forfeited as per relevant clauses under memorandum of WBF 2911(ii).
 30. Qualification criteria:
The tender inviting and Accepting Authority will determine the eligibility of each bidder. The bidders shall have to meet all the minimum criteria as stipulated in relevant clauses of this NleT.
 31. The eligibility of a bidder will be ascertained on the basis of the document(s) submitted in support of the minimum criteria. If any document submitted by a bidder is either manufactured or false, in such cases the eligibility of the bidder / tenderer will be rejected at any

stage without any prejudice to take any penal action against him/them as may be deemed fit by the Tender Accepting Authority.

AND

The agency must have the capacity to engage laborers as directed by EIC.

32. The agency should supply the materials as per confirming to IS mark and specification laid down in schedule and also to be taken joint approval from EIC / his representatives & technical authorities of NKGSCCL before utilize in work.
- 33. No. price preference and other concession as per order no. 1110F dated: 10/02/2006 will be allowed.**
34. Agencies are required to give a work programme preferably in the form of a bar- chart and to get it approved by the EIC (Engineer-in-Charge) before commencement of work and if progress of work abruptly differs from such work programme, the undersigned may terminate the work order at any point of time and penal action as per Tender Terms and conditions will be imposed.
35. Unless otherwise stipulated, all the works are to be done as per general conditions and general specifications of the latest edition of 'PWD (W.B) schedule of Rates for Building, Roads, and Sanitary Plumbing' works for the working area.
36. In case of any inadvertent typographical mistake in the specific price schedule of rates, the same will be treated to be so corrected as to confirm with the prevailing relevant schedule of rates and/or technically sanctioned estimate.
37. Intending tenderer should note that he may have to work simultaneously with other contractors already entrusted with other work or with contractors to be entrusted with other work in future in the same site. The contractor will have to work in close co-operation and harmony with all the contractors engaged in the project. Any claim for idle labour, for any reason whatsoever, will not be entertained under any circumstances.
38. NKDA will not be held responsible for making payment against any anticipated profit and/or compensation for any losses or price escalation whatsoever for the works as stated in the annexure of this NelT. Rates should be quoted accordingly.
39. The address as furnished by the contractor shall be deemed as the postal address of this office. Any notice or instruction to be given to the contractor under the terms of contract shall be deemed to have been served if it has been delivered to his authorized agent (on the strength of authorization) or representative or sent by registered letter to his official address as furnished.
40. Arbitration clause of WBF 2911(ii) stands deleted.
41. New Town Kolkata Development Authority reserves the right to increase or decrease the quantum of work as stipulated in the schedule of work for which no change of rate will be allowed.
42. Participation in this tender deems that the applicant is fully agreeable to abide all terms and conditions as stated in this Notice Inviting e tender as well as WBF 2911(ii).

43. Mobilization advance, time / cost overrun and consequent cost escalation for any material, labour, etc. will not be allowed.
44. All materials are to be procured and supplied at site of work by the tendered /firm at his / their own cost from approved reputed dealer / manufacturer. Departmental materials will not be issued under any circumstances unless any such provision is made and accepted latter by both the parties. Department unless otherwise stated means New Town Kolkata Development Authority.
45. The offer shall remain valid for 180 days from the date of opening of the tender.
46. The project site is located in New Town Action Area IIB towards the North eastern part of New Town Kolkata. New Town is a planned neighborhood. The site is well connected by road through National Highway (NH) 12 that runs through Kolkata. The distance from the major city Kolkata is -40 km. The connectivity to the site from the major arterial road is within the proximity of 500m. The site is surrounded by mixed use and residential development. New Town Lake is at the proximity of 1.5 Km from the proposed site.
47. Brief Scope of work:
- Execution of the following work as instructed by and to the satisfaction of the EIC at the project site New Town, Kolkata:
- i) Inspection and detail survey of the 4 sites for preparation of working drawing.
 - ii) Preparation of working engineering drawing for the construction and installation for the implementation of the project and getting it vetted by the EIC
 - iii) Preparation of surface for the project at 4 sites
 - iv) Supply of all required material at site in due time
 - v) Appropriate protective piling for bank protection at the four sites as directed by the EIC
 - vi) Construction of pathways as per direction of EIC
 - vii) All electrical work including cabling , fitting and fixing of all electrical panels, fittings, fixtures and switches including connection to the power mains of WBSEDCL from the nearest tapping point as approved by the EIC
 - viii) Landscaping and plantation work as per plan and as approved by the EIC
 - ix) Appropriate sanitary work as per approval of the EIC
 - x) Installation of benches and other outdoor furniture as per plan and as directed by the EIC
 - xi) Construction, commissioning and testing of fountain including all electrical and mechanical components
 - xii) Plumbing work including connection to nearest supply line of PHE as directed by the EIC
 - xiii) Fixing of MS fencing of approved design on appropriate foundation
 - xiv) Finishing with appropriate priming and painting as directed by the EIC.
 - xv) Phasing of the sites will be done as per direction of the EIC
 - xvi) Maintenance of the 4 sites post mandatory defect and liability

period of one year after completion of the construction work
(Further Details of the work can be seen from the BOQ)

48. Evaluation Method:

Evaluation of the bids will be made on the basis of submitted credentials The opinion of the tender inviting authority will be final on this matter.

49. Special Condition:

- i) The selected agency is allowed to engage sub vendors for one or more part of the work provided the credentials of such sub vendors are to be pre-approved by the EIC.
- ii) The selected agency shall remain solely responsible for the performance and/or non-performance of such sub vendors.
- iii) The tender inviting authority may take action against the selected agency for non-performance or substandard performance of the sub vendors.
- iv) The decision of the EIC will be final regarding approval of the credentials of the sub vendors and for assessment of performance of the sub vendors.

50. Enclosure:

- i) Location plan.
- ii) Proposed Design.
- iii) Approved make list.

**Executive Engineer -IV
New Town Kolkata Development Authority**

MEMO NO: 1628 /EE-IV/67/NKDA/2020-21 DATE:04/05/2020

Copy forwarded for information to:-

1. The Chief Executive Officer, New Town Kolkata Development Authority.
2. The Chief Engineer, New Town Kolkata Development Authority
3. Administrative Officer I & II New Town Kolkata Development Authority
4. Chief Finance officer, NKGSCCL
5. Chief Technical Officer, NKGSCCL
6. Technical Officer, NKGSCCL
7. The Finance Officer, New Town Kolkata Development Authority
8. Executive Engineer-II &ME New Town Kolkata Development Authority
9. The Estimator/ Sr. Accountant / Cashier, New Town Kolkata Development Authority.
10. Office Notice Board.
11. Official Website of New Town Kolkata Development Authority (www.nkdamar.org)

**Executive Engineer -IV
New Town Kolkata Development Authority**

LOCATION PLAN

NKDA has identified four different locations within New Town for canal side micro beautification. The identified locations fall within the city and the respective locations are located as illustrated below.

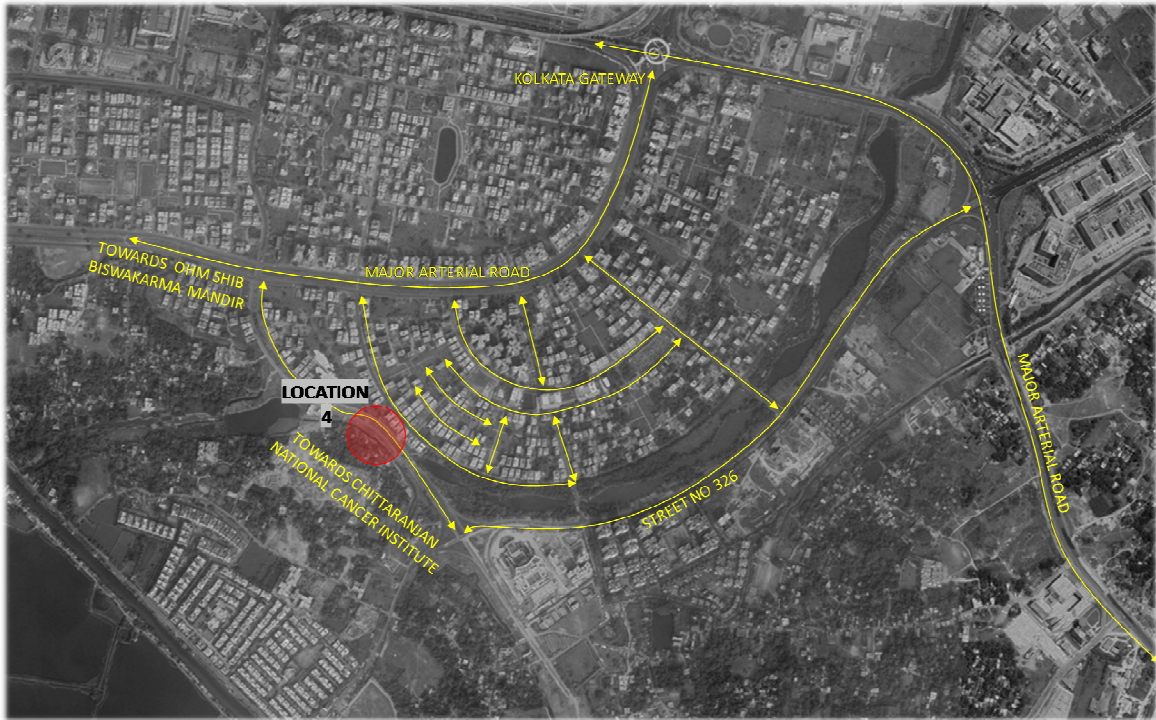


Location 1, Location 2 and Location 3 at AK block

Site location 1,2,3, &4 are located on the bank of keshtopur canal which is a stream diverging from Hooghly river located at 10 Km from the proposed site. Keshtopur canal runs towards southwest part of the new town.

Location 1,2and 3 is located at AK block of the New Town and can be accessed by the major arterial road from the north and from the south by major arterial road. The surrounding land use is majorly of residential units.

Location 4 can be accessed by major arterial road form north and can be accessed by street number 326 from south. The site at location 4 is majorly surrounded by residential units on the northern part and Chittaranjan National Cancer Institute is situated towards the south eastern part.



Location 4 at DJ block

Site images

Following images are the locations identified to be developed as micro garden and the images represents the current site condition

Location 1



Existing site view at location 1



Existing site view at location 1

Location 2



site view at location 2



Existing site view at location 2

Location 3



Existing site view at location 3

Location 4



Existing site view at location 4



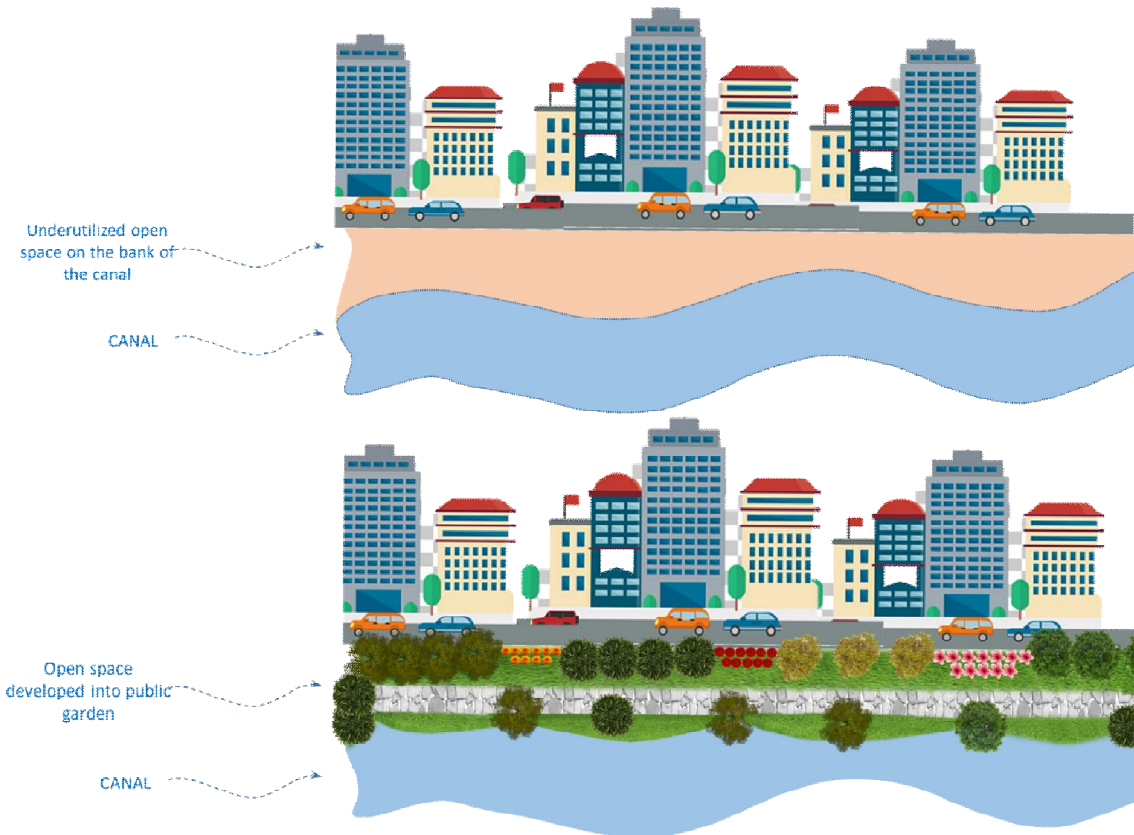
Existing site view at location 4

PROPOSED DESIGN

Design Principles

- Colour, line, form, texture and scale act as the basic tools that formulates the design expressions of the proposed landscape theme. The basic design principles include unity, balance, transition, proportion, repetition and simplicity. All these principles interact to yield the intended design.
- Unity refers to the effective use of components in the design through consistent style to create a specific theme of character and harmony in the landscape.
- Balance refers to the equilibrium or equality of visual attraction. Symmetrical balance is achieved when one side of the design is a mirror image of the other side. Whereas, Asymmetrical balance uses different forms, colours and textures to obtain balance of visual attraction.
- Transition refers to gradual change which can be obtained by arrangement of objects with varying textures, forms, or sizes in a logical sequential order
- Proportion refers to the size of parts of the design in relation to each other and to the design. Proportion in landscape design usually relates to people and their activities.
- Repetition refers to the repeated use of features like plants with identical shape, line, form, texture and/or colour.
- Simplicity refers to reduction of a design to its simplest, functional form, which avoids unnecessary cost and maintenance.

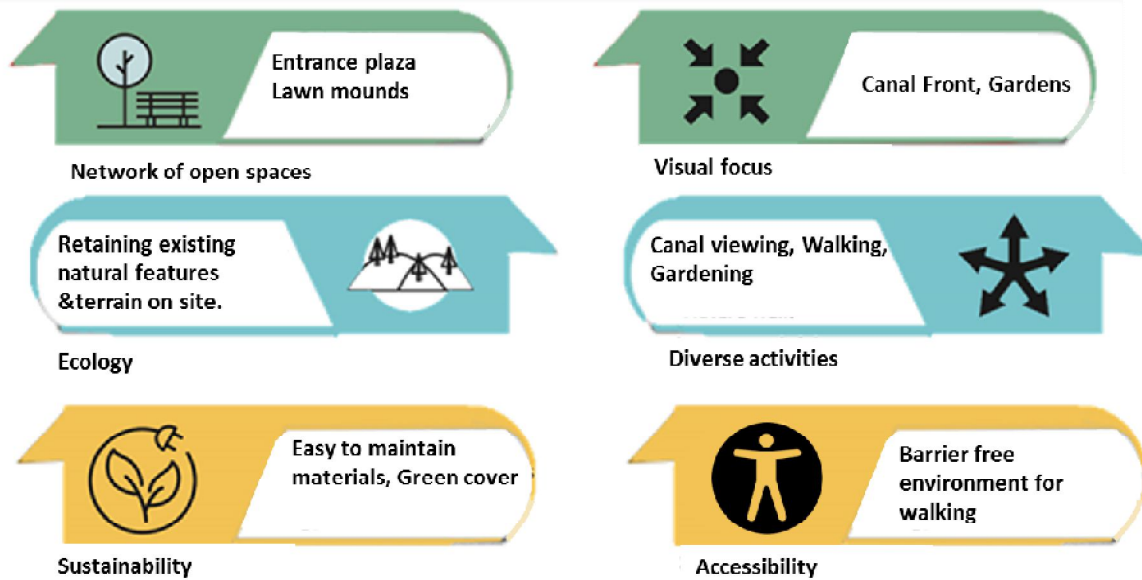
Design Strategy



Representative image showing strategy adopted for canal side development

A cohesive landscape design that integrates both hardscape and softscape as a splendid and functional design. Besides contributing to greener top cover, certain components are created to form a landscape design that blends with nature. Micro garden proposed to be developed on underutilized open spaces across the city situated on the banks of the canal is designed as public garden with the integration of landscape. The available space is allocated for hardscape and softscape. Landscape consists of the native species of plants to retain the local touch of Kolkata. The gardens are designed in a way to attract birds that can be helpful to make pollination.

The proposed garden is essentially classified into multiple mini gardens with spaces demarcated for pro bono farming. Plants bring in the fresh air into the neighbourhood thereby reducing the spread of foul odour from the canal into the neighbourhood. The activity of gardening can be an educational learning component for the people who are fascinated about gardening. This tends to promote human contact, social activity and community involvement in the neighbourhood. To reduce the impact of flood and soil erosion the canal edge is planted with water retention plants and geo web with lawn pitching.



Design strategy

Proposed Layout

The proposed plots are divided into softscape and hardscape. It is to be noted that, to add up the green coverage to the city, more than 60% of the plot area is reserved for softscape in each of the micro garden plot. The below table represents the area breakup of the respective micro garden plots.

Site Location	Area (in acre)	Plot Area (in Sq.mt)	Hardscape(inSq.mt)	Softscape (inSq.mt)
1	0.309	1252.733	329.776	922.96
2	0.378	1531.3439	402.325	1129.02
3	0.107	433.7789	155.892	277.89
4	0.237	959.1687	263.47	695.70

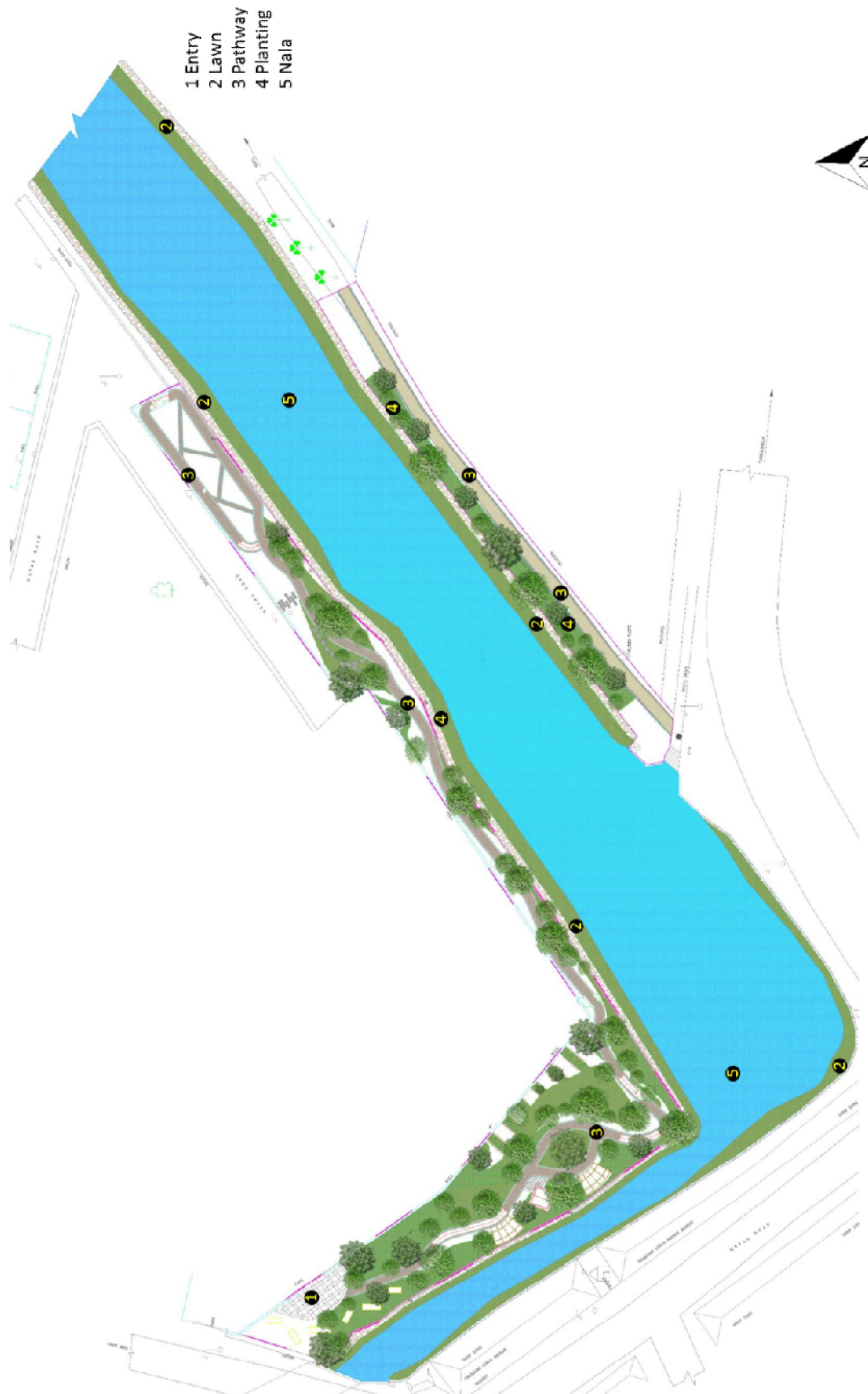
Area summary



- 1 Entry
- 2 Lawn
- 3 Pathway
- 4 Planting
- 5 Nala

Proposed layout at location 1

Proposed layout at location 2 and 3



Layout at location 4

- 1 Entry
- 2 Lawn
- 3 Pathway
- 4 Planting
- 5 Nala



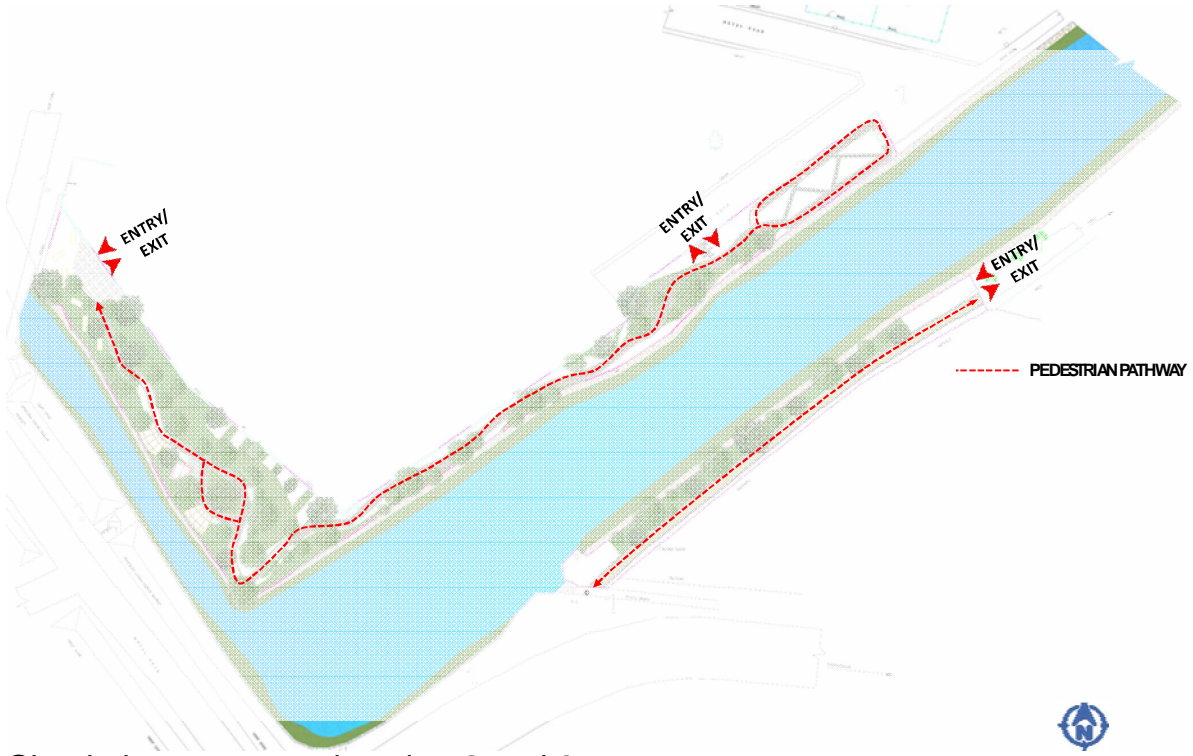
Proposed Components

1. The microgreen is proposed with the pleasing landscape with the incorporation of following components Multiple gardens like-
 - a. Flower garden
 - b. Ground Covers
 - c. Lawn mounds
2. Seaters
3. Pathway
4. Planting
5. Trash bins
6. Bamboo trellis
7. Green house
8. Shaded pavilions
9. LED lights
10. Low compound fence wall
11. Circulation

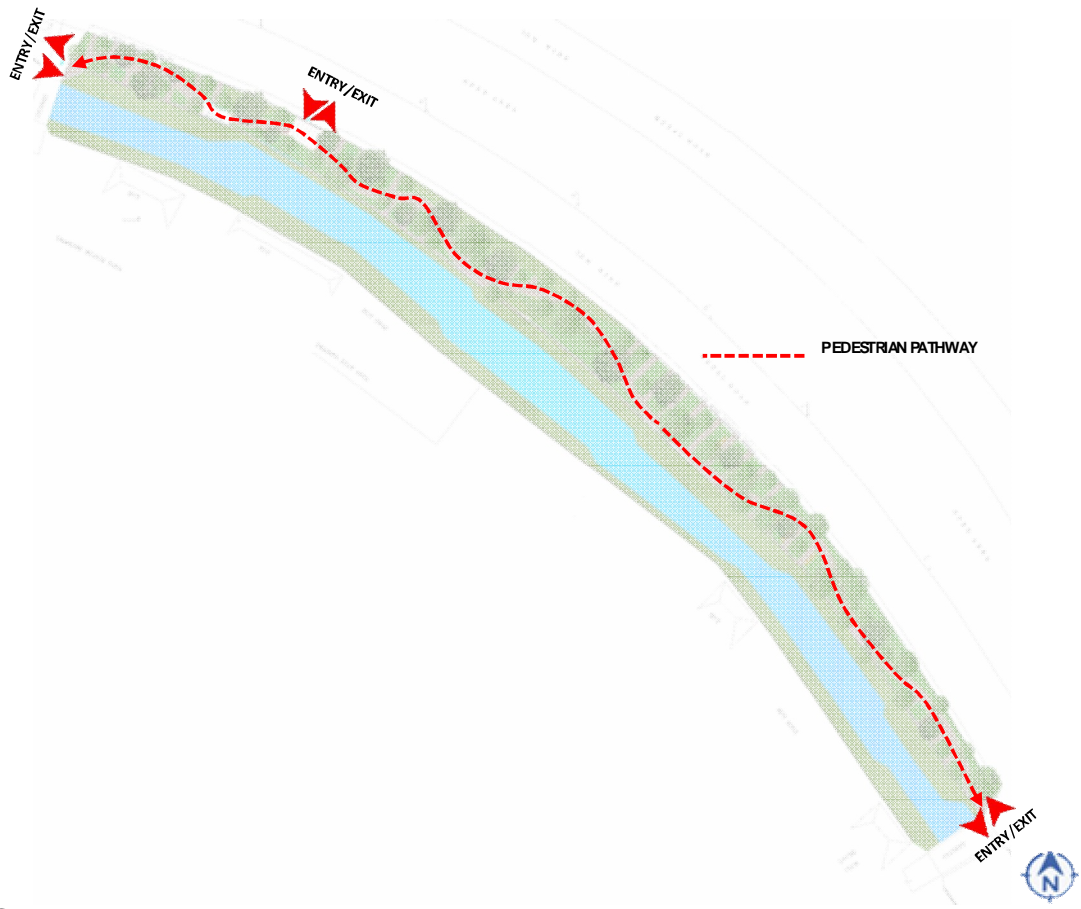
Micro gardens are proposed with the multiple entry and exit access. For the smooth internal circulation, paved pedestrian pathways are proposed as shown in the following figures. Circulation is designed in a way to have a walk around the garden to enjoy the vista of the canal by the users. Each garden present within the site is accessible with the gravel pathway. Proposed lower compound fence wall acts as a safety a barrier for the users.



Circulation pattern at location1



Circulation pattern at location 2 and 3



Circulation pattern at location 4

APPROVED MAKE LIST
(Please follow the applicable items for the relevant tender)

Sl No.	Description of Item	Approved Make / Brand
	Civil works	
1	Reinforcement for concrete works	SAIL/TATA/RINL
2	Paint	Berger/ Asian Paints/ ICICI/ Nerolac
3	MS structural works	SAIL/ TISCO/ UTKARSH
4	Galvanised corrugated sheets	TATA/Esar/Jindal
5	Controlled cement concrete M25 Garde	
6	RMC M25 garde	Ultratech/LnT/FTC
7	Anti termite chemical	
8	Water proofing chemical /compound	Sika / Dr Fixit/ Fosroc
9	White cement	Ultratect/Birla/ACC
10	cement 53 grade	Ultratech, Ambuja, ACC
11	Concrete grass	NILITE Concrete, Pavers India, NIMCO or Equivalent
12	Interlocking pavers	Pavestone/Calstone/GK Pavers
13	Outdoor vitrified Pavers	H&R Johnson/Pavit/Ultra Pavers
14	Stainless steel	SAIL, TATA, RINL
15	Bitumen product	IOCL, HPCL, Shell, Shalimar Tar products
16	Aggregate, Stone chips, Sand and Road materials for Base and Sub-base	As per "SPECIFICATIONS FOR ROAD AND BRIDGE WORKS" 5th Revision April 2013, Issued by Ministry of Road Transport & Highway
17	Aluminium doors, windows & partition	Jindal, Indian Aluminium Sections or Equivalent.
	Flooring	
18	Ceramic tiles	HR Johnson, Kajaria, welspun
19	Virtified Tiles	HR Johnson, Kajaria, welspun
20	Glass moasic tiles	HR Johnson, Kajaria, welspun
21	Tactile tiles	HR Johnson, Kajaria, welspun
22	Laminated wood flooring	HR Johnson, Kajaria, welspun
23	Italian marble stone	
	PHE / Water supply	
24	Galvanized iron pipes	TATA, Jindal Hissar, JSW or equivalent
25	CPVC pipes	Supreme, Prince, Garware, Finolex, Astral, Kissan or Equivalent.
26	UPVC pipes	Supreme, Prince, Garware, Finolex, Astral, Kissan or

		Equivalent.
	Interior works	
27	Ply wood	Century/ Green / Globe
28	Venner	Century/ Green / CityLam
29	Laminate	Century/ Green / CityLam
30	Glass	Modi, ASAHI, Saint Gobain, Hindustan
31	Fittings and accessories	Dorma/ Ozone/ Godrej
32	Out Door furniture	Experio
33	Play equipment	Bodyline/Kompan/Experio
	Electrical	
34	Lights, Cables, Switch Boards, DB, MCB, conduits, all other fittings and accessories	Legrand/Schneider/Seimens/ABB/L&T/Havells/CG/Almonard/Philips/Bajaj/Wipro